DREAM OF A CENTURY.

TIS THOUGHT IT WILL SOON BE

& Electric Railroad Between Chicago

along a wire he had conferred upon humanity a boon, the importance of which even he could not realize. Lit senger, mail, and express comparttle idea had he of the coming telegraph, the first manifestation of the tire weight coming upon four drive new-found law, nor of the telephone, wheels, making the traction perfect. informed him that they required the electric motor, electric light and Each pair of wheels is driven by a £2,000, which his servant could bring many other things which seem to be separate motor. The forward of back, and then he would be set at actual necessities in the present day. these motors is placed behind a long, liberty. There was no help for it.

power will be shut off from alternate sections, thus preventing two trains from running on the same track within at least ten miles of each other. As only trains going in the same direction will use the same of narrating one thrilling adventure. track there can positively be no col- It was in 1874. Monsignor Theodoli lision. The danger of jumping the track is practically eliminated by the abbey of Trivulsi, near Frosinone. center of gravity of the cars being

compactly built, long and low and of light weight. The motors and pasments will all be in one car, the enA Bandit's Courtesr.

Cardinal Theodoli, the intendant of St. Peter's at Rome, who had just died, led, for the most part, a life of clerical tranquility: but he was fond was spending a quiet holiday at the While reposing under a chestnut tree in a neighboring wood one afternoon he was captured by bandits and car-The coach will be strongly and ried off to the mountain-top. His servant, who came in search of him, shared a like fate. In the morning the chief approached the bishop respectfully, and, with many apologies for the necessity which he was under,

VAST INTERESTS.

keno case, and he called the caller Some Figures and Comparisons make by down and the preacher was told to Poor's Manual of Ratiroads. step up. He did so, and gave them

Poor's Manual of the Railroads of the United States for 1892 contains as usual a vast amount of information inaccessible from other sources. Some of the figures are mere words, however, unless comparison is made with familiar amounts. It appears, for instance, that there were 170,601 miles of railroad track in the United States at the close of 1891. This would nearly encircle the world seven times if laid in straight lines. If all the tracks were laid between Chicago and New York there would be over 200 complete through lines between the cities. They would take up a ground space over half a mile wide and about 900 miles long.

The liabilities of these lines amount to \$10,765,626,041 and their total assets to \$11,110,335,276. The railroads of the United States owe more than six times as much as the government but hold property worth \$344,709,235 more than their debts. According to the Vanderbilt standard \$7,000 is not a great amount of money, but it means comfort in old age to almost anyone. If every man, woman and child of every age, sex or previous condition of servitude in Chicago were to make an outright present each of \$7,000 in eash to the railroads, it would just about pay their debts. Poor's Manual doesn't say so, but other figures show these vast assets and liabilities involve the bread and butter of over six millions of persons in the United States. One person in eleven in the United States gains his living through railroads. They furnish employment to more persons than any other industry except agriculture. It makes a person wonder what in the world this vast number of people could have done for a living had railroads not been invented.

It appears there was a total train mileage during 1891 of 831,202,376. In other words, if the running of all trains had been done by one train it would have traveled 831,202,376 miles. This would complete the circuit of the earth 34,633 times a year, or in the neighborhood of a hundred times a day. The New York Central flyer between New York and Buffalo made the distance of 436 miles in 425 minutes. Had the hypothetical mileage train started on a parallel track with the New York Central train when it made its world-beating record it would have jogged around the world and passed the New York Centhe latter reached Buffalo. The hypotimes 24,000 miles while the more Peter's, an individual unknown to 436 miles. Pretty fast traveling, than a-mile-a-minute flyer was mak-

During 1891 there were 556,015,802 people carried a distance of 13,316,-925,239 miles by rallroad in the er's mind the memory of courtesy Un.ted States. That is equivalent to every human being in the United States having traveled 200 miles by railroad during the year. Have you has learned, may be polite; cabmen ridden your share? Suppose every person in Chicago, including Captain never saw more grace than was shown | Streeter and Commodore Yattaw, had in the courtesy which passed between each shouldered a ton of miscellanethe Governor of the prison at Kioto ous stuff and started around the and a female prisoner. But the chief world with it. Grant that every lesson taught in Japan is man's ver- centenarian and babe in arms within satility. Man's energy is indomita- the city limits was able to carry the ble, and his history in Japan repeats ton equally with the balance of the the very start a speed of 100 miles an necessary. There will also be trains the lesson enforced by the Jewish 1,399,998 people. Grant also that prophets, that though only a rem- they could carry the ton nearly two nant, a stump, be left, yet out of that and a half times around the world stump may grow branches and leaves during the year. As a result of these in which generations may rest, two drains on the imagination you Thirty years ago men who have now will have the equal of the 81,210,the language and habits of highly | 154,523 tons of freight carried one

Railroads showed revenues of \$457,of hara kirl. A generation ago Japan 504,066, with a balance of \$40,250,722, was where England was 300 years during the year. How much of this ago, but by energy and versatility balance is profit is a question which Japan, in science, education, knowl- the payment of floating debts, vouchedge and history, now takes its place ers, commissions and rebates can alongside the foremost nations. This alone decide. Probably not half and is the more remarkable because re- possibly not a tenth of the forty millligion seems to have had no place in lons of balance can be counted as net

in myself," expresses the attitude of A GAMBLER STARTS A CHURCH

A True Incident of Life in Creede Mining Camp.

Creede Camp, Colo., is at present perfect whiripool of excitement. Rich mines are being discovered every day, and the town is full of gamblers reaping a rich harvest. Each day brings in a hundred people, among them the very good and the very bad. On one side of a narrow street is a richly furnished saloon, and across the narrow street is an undertaking establishment, each displaying a flaring favor in society. It is called ing sign. Usually no regard is paid blind girl's bluff, and this is the way to the Sabbath, and in the wild rush there are few thoughts of the spirit-

> But the champions of Christianity Creede began, a Methodist minister

Browney invited the preacher to go

Strict attention was paid, and when he had finished, the immense room, which was 30x80 feet in size, was filled. The preacher said that he wanted to build a church in the camp, and told them that he would solicit subscriptions Browney got up and said that he

Ta platform had been erected for a

an off-handed talk in true Western

style.

knew the boys well, and he would commence right there by passing the hat. He began, and the fellows began dropping quarters and halves. The gambler swore, and said: "D-n it, boys, put in bills. Coins don't go in this hat."

He collected about \$90, but did not seem satisfied with the amount. He told the preacher to go and he would attend to it farther. The games were reopened and the gambling went on. Browney took the \$90 and bought chips with it and sat at a faro table. He played about an hour and hauled out over \$700 and then hunted up the preacher and gave him the winning as a starter for the church. -Great Divide.

Photographic Bullets.

It is no news that cannon balls and bullets can be photographic as they dart through the air, but Professor C. V. Boys has recently made the air through which they pass.

and so arranged that the passing bulwhich, though lasting only onemillionth of a second, suffices to imsensitized plate contained in the box.

Not only are the bullets themselves photographed, but also the atseen the waves of condensation, and tion, and interesting observations administered within four minutes. have been made on the peculiar forms of these waves.

As each bullet dashes through the box it touches the terminals of two wires in the electric circuit, and the little cloud of dust into which the end image imprinted on the photographic

Professor Boys has experimented as much in the dark as ever. with the photographing of charges of small shot fired from shotguns, and the final result of these experiments is awaited with much interest, because it promises to throw light upon the manner in which guns of different well worth listening to by people of pattern scatter the shot.

Juvenility and Prayer.

Willie is the son of a Presbyterian clergyman, and participates in all the functions of the church and prayer meeting, says the New York Evening Sun. Notwithstanding, he is very tardy in getting dressed in the morning, and occasions his mother much annoyance. One morning, her patience being more tried than usual, she said:

"Willie, if you don't stop dawdling while you are getting on your clothes, I will punish you."

Willie accordingly made haste, and when he had finished dressing fell upon his kness to say his morning prayer, to which he added these petitions:

"And, O Lord, keep me from dawdling; but if, Lord, it should be thy will that I should dawdle, grant that mother may be reconciled."

Bishop Brooks - Phillips Brooks, lest the title be unfamiliar-has a little niece, brought up, as a bishop's niece should be, to say her prayers. One night when she had put herself to bed her mother asked her afterward if she had said her prayers.

"No," she said, she had not.

"But why not?" her mother inquired.

"Well," said the little maid, "I was tired and sleepy, so I asked the Lord Gimp an' Hardtack keeps everythin' to excuse me, and he said, 'Certainly, Miss Brooks—with pleasure.'"

A Useful Lady-Bird.

The fruit-growers of California have suffered great losses through the

ravages of a spe- Fawcett. cies of aphis known there as Comfort. "cottony cushion found in the Aus-

grown, is about one-eighth of an inch o' merchandise." in length. It is chiefly of a dark-red Mr. Fawcett nodded sagely, in accolor with black lines and markings, quiescent silence. as shown in the illustration which. represents the male. In the female marked UncleComfort, in a tone that the black medial line only extends belied his modest sentiments, "but it half-way down the back.

GEORGE FRANCIS TRAIN has en- kentry stores, naowadays!" tered proceedings against the proprietors of a New York museum be tongs, and turned the conversation cause they have refused to let him to the present state of the Bushby enter a competitive "fasting match." crops. If George wants to fast why doesn't he stick to Madison Square? He may starve himself to the queen's taste, and to everybody che's if he wants to and with to objections from anybody.

THEOREM PROMESS THAT IS OFFICE.

NOT ALWAYS CHARMERS.

fuch Nonsense Has Been Printed Abo Snakes' Fowers.

A great deal of nonsense has been published, and a great deal more is believed, about snakes. Some most thrilling stories turn upon a power which serpents are credited with of fascinating their victims. This appears to be a superstition. According to Mr. Vincent Richards, mice, birds, dogs, guinea pigs, and other small animals, introduced into a rattlesnake's cage, show little fear, even at first, and afterward none whatever. Smaller birds, after fluttering about till they are tired, end by becoming amusingly familiar with the snakes. Mr. Richards put two rats into a cage containing forty cobras. At the outset the rats' appetites were considerably affected, and they were evidently alarmed. In a short space of time, however, they recovered their spirits and caused considerable commotion among the cobras by running all over their heads and bodies. The snakes resented this familiarity by darting at each other and at imaginary foes. The rats lived and partook of food in the cage for ten or twelve days, when, one after another, they were found dead-"victims, no doubt, of misplaced confidence."

It is still a matter of debate whether snakes are proof against their own poison. The remedies advised for snakebite are of doubtful validity. Because a man recoverssome experiments in photographing after being bitten by a snake and flying bullets that cast new light up- dosed with opium, mercury, ammoon their motion, and their effect upon nia, or what not we must not jump to the conclusion that the treatment. Professor Boys fires the bullet has effected a cure. A snake may through a box lined with black cloth, bite without poisoning. Biting, though in appearance simple enough, let itself completes an electric circuit consists really of a series of complex and causes a flash of light in the box, movements, following rapidly one upon another in ordered sequence, should any of which be inadequately print a photograph of the bullet on a performed, the victim may not be properly poisoned. Ammonia, alcohol, and making the patient moveabout are wore than useless; for they mospheric waves created by their increase the action of the circulation, passage. In front of the bullets are and thereby promote the absorption of the poison. Even permanganatebehind them the waves of rarefact of potash is of no effect unless it is

Researches into the nature of the poison, says the Popular Science Monthly, have shown that it resides in some proteid, and that there are three toxic elements-globulin, serum albumen and acid albumen - but of the wires is pulverized also has its wherein the quality consists that gives to these substances, usually soharmless, their poisonous power, is-

Rural Criticism. Uncle Comfort Pettingill was a man whose opinions were considered Bushby, and when he returned from a month's visit to his married daughter, who lived "daown b'low" in Boston, everybody was anxious to hear what he had to say about the city. "L want t' know, Comfort," said Mr. Augustus Fawcett, a near neighbor, who "dropped in" the night after Uncle Comfort returned, "I want t' know ef ye passed inter 'Gimp an' Hardtack's' shop, whilst ye was daown b'low?"

"Suttin, suttin - a number o

times," replied Mr. Pettingill. "Well," said Mr. Fawcett, "I sh'd like t' know of they didn't set up fer a dry goods store ten years or soback?" Or hev I got th' wrong name?"

"They called themselves a dry goods firm, an' do naow," said Uncle-Comfort.

"Well, well," remarked Mr. Fawcett, "haow doos it happen they're advertisin' farmin' tools fer saie? Hessome r'lation died an' left 'em a loton hand? I see their circlar in th' 'Farmers' Guide,' when it come las' night. I was pooty sure thet was th' place where niece Idylly got m' wife's dress-pattern, but m' wife, she said there must be some mistake some-

wher's." "Ther' aint any mistake, I cal'late, Gus," replied the returned traveler. "Ye see, times hev changed sence you was t' Boston twenty-five years ago. ye ken think up, fr'm rubber boots t' painted furnitoor sets. It's 'nough t' make a man crazy t' step foot inter their place; an' it's full as big as-

Square Follet's pasture piece." "I want ter know!" ejaculated Mr.

"Yes, full as big," reiterated Uncle

There was a moment's pause, and scale," but ac- then Mr. Pettingill from his seat in cording to Cas- front of the fire reached forward, sell's Magazine, a took up the tongs and turned the remedy for the forestick over, giving it a whack pest has been which started up a bright blaze.

"It aint but a few years," he said. tralian lady-bird, turning to his guest with the tongs Novius koebeli, which preys on the still in his hand, "sence th' city folks aphis, and has been acclimatized in was pokin' fun at th' kentry stores, California. The lady-bird, when full- on accaount o' their keepin' all kinds

"I may be all off'n th' track," reappears t' me as ef Gimp an' Hardtack was kinder copyin' after th'

And with that he replaced the

Of Course Not-In a 5 o'clock tea no two cups and saucers should be allke.

Uncerna continues to claim new victims in Hamburg, and the theory that the Oriental ecourse is a hoting a sories of all around the world weather postdence is being shattered, bells. And should say tables be at 16 was Sumlay, and It was doubt- trips, winding up, by violating the se bless even the Jarney are legite-AT SHORE & CARE MAY CAPITAL TO MALLE SOCIEDANCE HE SEE SECTION OF THE liverage and the liverage and in a larger than the larger and the larger and

REALIZED. and St. Louis Upon Which a Speed of One Hundred Miles an Hour Will Be Made. Will Go Like the Wind. placed very low. The Cars. When Ben Franklin discovered that electricity could be conveyed

BIRD'S-EYE VIEW OF THE CHICAGO & ST. LOUIS ELECTRIC RAILROAD, AS IT WILL APPEAR. These things were to come later. Of tapering nose, so constructed that The servant was sent and returned. course, we cannot tell what were the the air can be cut with the least pos- The captive was freed, and the brigthoughts that animated that brain as sible friction. The drive wheels are ands implored his pardon, saying the lightning flash followed with six feet in diameter, and are capable misery had driven them to their marvelous speed the delicate thread of making 500 revolutions a minute. | mode of life, and protesting that by which he held his kite in the The axles will be run on roller bear- they were good Christians. The heart storm. But however wild his imag- ings so that friction will be brought of the bishop was softened. He gave inings were, could be have seen a vis- down to a minimum. The top of them his blessing. The chief seized ion of the wonders of the after part | the car will be but nine feet from the | his hand and kissed it fervently, but of the nineteenth century, those rail, and as the axles are placed on in doing so contrived to abstract the trail train nearly forty times before wonders to which he held the key?

One Hundred Miles an Hour. which manufactures lightning. By will be run without stops. The their combination distance can almost be annihilated. What would have been thought 100 years ago of the person rash enough to predict a speed of 100 miles an hour with which men and things could be transported from one point to another? The development of transportation facilities since George Stephenson's locomotive made its trial trip in 1829 has been remarkable. What is perhaps the last step of the century in this direction is about to be taken. An electric railroad is already under way be-

hour will be made.

A Description. The line between the two great

high trucks the center of gravity is pastoral ring. In justice, though, it brought very low. The weight of should be said that about a year thetical train would have made forty Not the least of these wonders are the car and its equipment will not later, as the bishop was one day crossthe electric motor and the dynamo exceed fifteen tons. Through trains ing the bridge of St. Angelo from St.



WAGON ROAD CROSSING. The manner in which a country road will be made to cross the line of the electric railway by means of a wooden bridge. It is estimated that about 250 of these will be requrired between Chicago and St. Louis.

tween Chicago and St. Louis which it schedule time of these trains will be would seem will solve the problem of | two hours and thirty minutes. Trains rapid transit. On this railroad at will be run every hour; oftener if

running every half-hour or so. The Power House.

It is estimated that two power cities will be as near straight as the houses will be sufficient to furnish all lay of the land will allow. It will be the power necessary. These will be divided into 25 sections of 10 miles situated at coal mines owned by the each, and the power will be fur-company, as already stated, a most



A COACH TO BE BUN ON THE ELECTRIC RAILROAD.

In cases of country roads, the latter will be thrown up over the railroad by means of wooden bridges. When electric road will be elevated. These



Showing how the electric road will be run across a steam railroad by means of an from bridge. Ninetness of these bridges must be built between the termini of the electric railways.

excessings will be made by iron bridges. The entire line from Chicago to Mt. Louis will be inclosed by a high fence. These precautionary measures will eliminate the danger of those acgalents resulting from an open line. and grade consings. Other seedents, he practically impossible. The power love a racing stable. will be communicated to the motors all this care to mount of the familiar

nished from power houses along the important arrangement in the matline and situated at coal mines owned | ter of economy, for not only will the | sorrow; they have hid sorrow behind by the company. These power houses cost of transportation of the coal used will not only give power to the rail- in the power houses be dispensed with blossom branch. They have missed road but will also supply cities and but the dust of the mines can be therefore religion, which is sorrow's individuals along the line with light, burned under the boilers and the heat, and power. The raffroad itself good coal sold. This dust is at preswill at first consist of two tracks, but ent wasted wherever coal is mined. them original as well as energetic .eventually two more will be con- The operations of mining will be car- The Nineteenth Century. structed. There are to be no grade ried on by means of electric machinery run by power from the power

houses. Terminal privileges have been obtained, the right of way for almost other railroads are to be crossed, the the entire line has been secured, and the line has been surveyed. It is thought that the road will be in operation during the latter part of the

World's Fair. One of the cuts represents the car or coach. In front, just back of the sharp nose, stands the motorman, who controls the train by means of a keyboard in front of him. Just back of the motorman's compartment is one for high class express, and then comes the coach proper. Back of this is a compartment for mail and then the rear motor is reached. Elevated crossings are also depicted in two other illustrations. One of these shows the manner in which a wagon road crossing is thrown up over the tracks, while the other gives an idea of the way other rallroads will be crossed by the electric road.

PRHILARS, after all, the Gould millions are to be dissipated. Gourge

him thrust a packet into his hand. that. It contained the ring.—Tit-Bits. The Japanese.

The Japanese leave in the traveland grace, but even more deeply marked is the memory of their versatility and their energy. All men, he and prisoners may be gentlemen. I cultivated civil servants were swag- mile.

gering with two swords and witnesses the development. "No one is relig- profit. ious: I believe in nothing; I believe young Japan. The Japanese are curiously deficient in the religious sense; they have never made friends with a ceremony and waved off care with a consolation, and have missed perhaps also the impulse which would make

In Novel Guise,

An old game in a new form is findit is done. The pretty buffer it blindfolded by means of a long, black ual mask, which effectually keeps her her head the buffer flourishes a weapwhom its aim may concern. He fault quickly catches it, kisses the hand of with the court leader's paper cap and ; man have the door

from gazing underneath. She is then are ever watchful, and a representaseated in the middle of the room, tive of the Christian religion is usuwhile the company, joining hands, ally among the first to be on the slowly walk around her. High above ground. Soon after the rush to on not unlike the shield which the went in with the crowd one day, and darkies down South use for protect the first man to whom he mentioned tion against flies and musqu to s. As the matter of desiring to build a the mystic circle sliently passer church was Browney Lee, a noted around the blindfolded enchantress, san Juan gambler. As a rule, the the latter brings down her wand fraternity are enthusiastic over anylightly upon the head of any one thing new and are generous to a the queen of the mask, and takes his over to Watrous' saloon with him, place upon the throne, when he it and he led the way. On entering the turn sways the scepter. Should a room, in which at least a hundred young woman be touched with the men were congregated, drinking at wand she embraces her ex-queen and the hir or crowded about a dozen fare

tries her own hand with the wand, or keno tables, "booking the tiger," The game is made interesting by the Browney lumped upon a chair and announcement that should the queer said: "bors, here is a preactor shot fail in three strokes to touch one of he wants by preach. Now, you feland as collingos between trains, will Gould has developed an amplified to her subjects she is presented labor on him a while and len this